



# CONSTRUCTION EQUIPMENT

## WADDINGTON 60609 - HYDRAULIC SYSTEM



**Sample No:** VCP386736  
**Oil Type:** NOT GIVEN  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP386736	---	---	---
Sample Date	20 Dec 2023	---	---	---
Machine Hours	18970	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

**GREAT WEST EQUIPMENT RENTAL FLEET**  
 4700 COLLIER PLACE  
 WILLIAMS LAKE, BC  
 CA V2G 5E9  
 Contact: Aaron Erickson  
 aerickson@gwequipment.com  
 T: (250)392-9599  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	█ 47.0	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		● 120653	---	---	---
Particles >6µm		● 18112	---	---	---
Particles >14µm		█ 35	---	---	---
ISO 4406:1999 (c)		24/21/12	---	---	---
Silicon	ppm	▲ 25	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 4	---	---	---



### WEAR METALS

PQ		█ 0	---	---	---
Iron	ppm	█ 36	---	---	---
Copper	ppm	▲ 105	---	---	---
Lead	ppm	█ 5	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	▲ 9	---	---	---
Chromium	ppm	█ 6	---	---	---
Molybdenum	ppm	15	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	1395	---	---	---
Magnesium	ppm	24	---	---	---
Zinc	ppm	631	---	---	---
Phosphorus	ppm	577	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	47	---	---	---

### Diagnosis

Check seals and/or filters for points of contaminant entry. We advise that you check all areas where dirt can enter the system. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. Please specify the brand, type, and viscosity of the oil on your next sample. Copper ppm levels are abnormal. Aluminum ppm levels are noted. Bearing and/or bushing wear is indicated. There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. High amount of ingressed dirt has caused abrasive wear to the component. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** MAR4700WIL  
**Unique No:** 5707073  
**Signed:** Kevin Marson  
**Report Date:** 03 Jan 2024

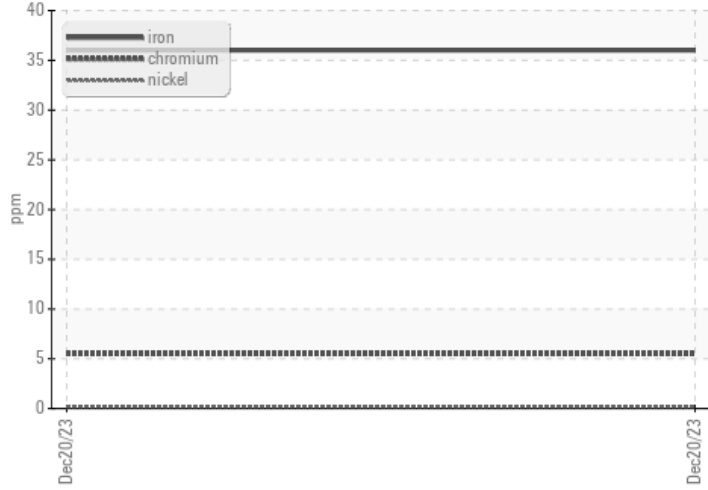


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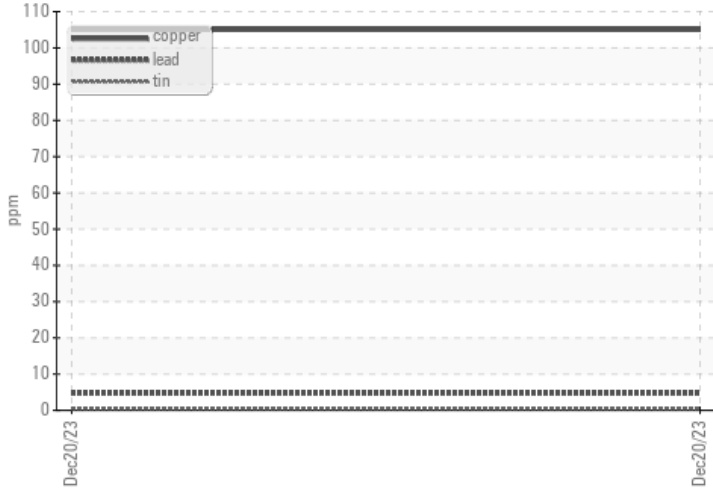


## GRAPHS

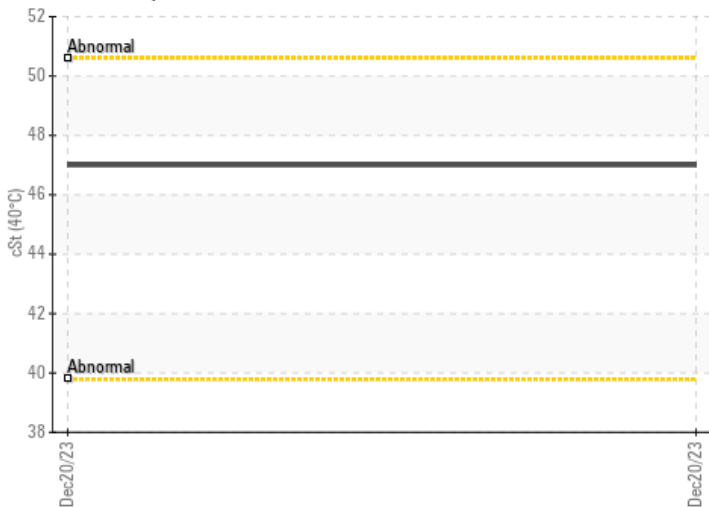
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

